

CADD STANDARDS

27 May, 2003

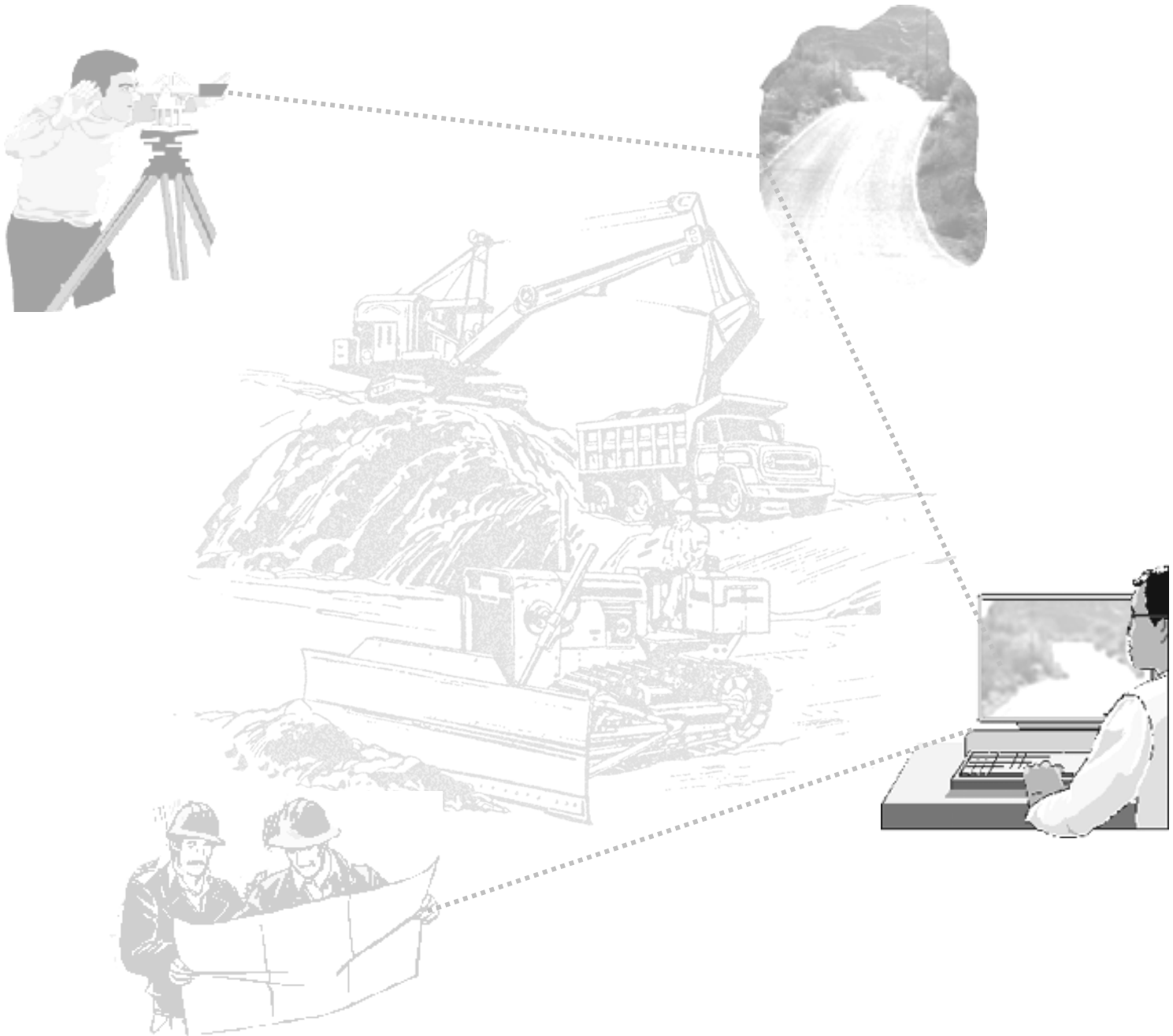


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Chapter One

Engineering Design Submittals

All plans submitted to the County of San Diego for review and approval shall be in AutoCAD Version 14.x / Softdesk Version 8.x or AutoDesk LDD Version 2i or later. The plan format must meet all DPW CADD Standards. All submittals shall include but not necessarily be limited to hard copy plots and computer generated files.

30% Submittal:

HARD COPIES (plots) shall be created in AutoCAD paper space plotted 1:1 and include but not limited to the examples and format specified in the DPW Plan Preparation Guideline.

COMPUTER GENERATED FILES shall include:

Digital design data generated by and necessary for Softdesk 8 or Land Desktop design review including Cogo point files, Vertical and Horizontal Alignment data bases, Road Templates, DTM's and all files necessary to review all design elements. File and folder structure is described in other sections of this document.

70% Submittal:

Re-submit revised and corrected plots and digital data required for the 30% submittal including additional plots and digital design data as required by the Project Manager and Team Leader. Include all Point and appurtenant field stake data compatible with T.D.S. format.

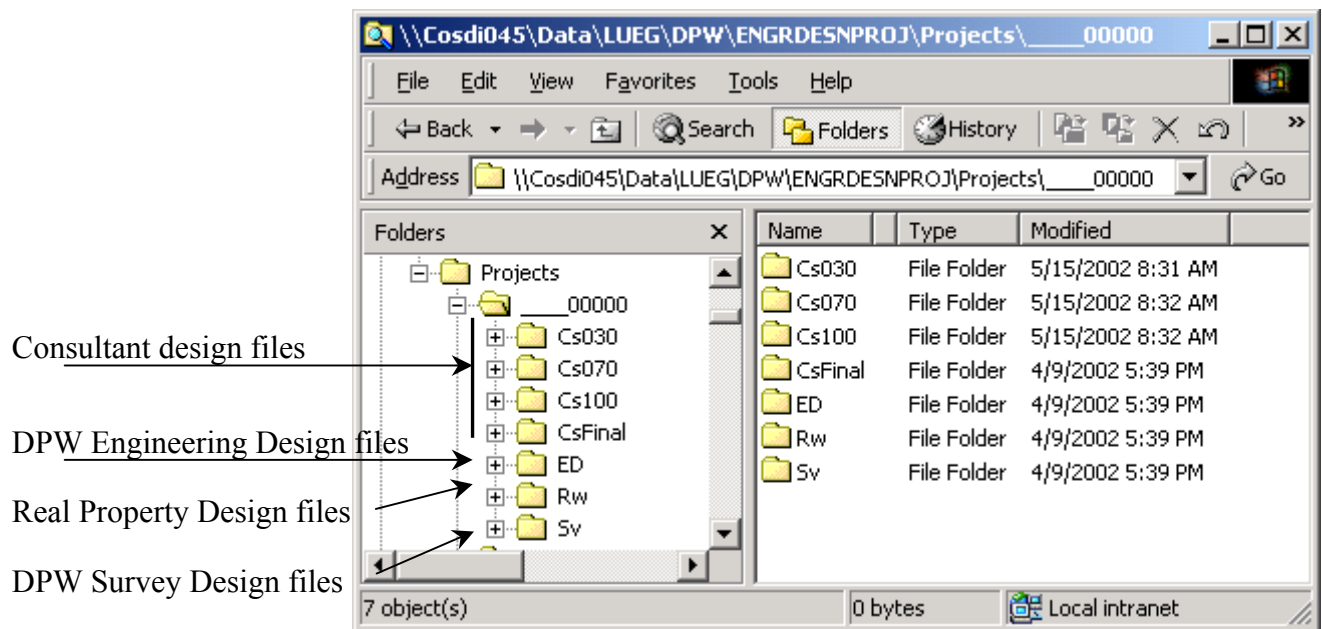
100% Submittal:

Re-submit all items required for the 70% submittal with corrections including additional plots and digital design data as required by the Project Manager for final review and approval.

Final Submittal

Final plots ready for signature and final digital design data generated by and necessary for Softdesk 8 /LDD design review including Cogo point files, Vertical and Horizontal Alignment data bases, Road Templates and all files necessary to view road sections.

Electronic File Directory Structure



All project data (CADD drawings and support files; such Softdesk / LDD files.) must be stored and submitted using the following format example:

uj1694 **Work authorization number folder**

CS030 **All Drawing (*.dwg) files)**

PROJECT NAME **Softdesk/LDD DATA FOLDERS**

(See expanded definitions below)

adtpl_I **Road Templates**

If two or more projects are assigned with the same work authorization number, but are not related in the engineering/design process, different folders must be created to store each set of project files. An additional letter shall be added to the work authorization number to differentiate the folders, i.e.

\\....\projects\uj1694A.

DPW Section Codes

The following is a list of identifiers for various sections of the County of San Diego Department of Public Works:

<u>Section Code</u>	<u>Description</u>
ED	Design (formerly Engineering Design)
SV	Surveys
TE	Traffic (formerly Traffic Engineering)
LT	Loss Mitigation (formerly Litigations)
LW	Wastewater Management (formerly Liquid Waste)
TP	Transit SVCS. (Formerly Transportation Operations)
RW	Real Property

Softdesk/LDD Project Directory-expanded definition

\uj1694\		(WORK AUTHORIZATION NUMBER)
CS030\		(All [INCLUDING "X" REF] drawing files [30% submittal])
leucadia\		(Softdesk/LDD Project Name)
Align		
Cd		
Cogo		
Cr		
Dtm		(Softdesk/LDD Project Files)
dwg		
Er		
lots		
Survey		
Templates		
Zq		
Zz		
adtpl_I		Roadway Templates
Documents		

CAD File Management

Civil projects designed with CAD can generate numerous drawing files that must be managed in an organized manner. AutoCAD systems utilize reference files that make the consistency of drawing filenames crucial. The objective in this section is to assist the user in naming CAD files to ensure compliance with the County's document management system. Most of the drawing files used in a project can be classified as one of three types:

MASTER FILES - CONSTRUCTION FILES - WORKING FILES.

Master Files - Existing or Proposed design models.

Construction Files – Plan sheet (Hard Copy) views of **Existing** and **Proposed** design models.

Working Files – Temporary work in progress files.

<u>MASTER FILES</u>		<u>CONSTRUCTION FILES</u>
Examples <u>Existing</u>	Examples <u>Proposed</u>	(Plotted Sheets) Examples <u>Hard Copy Plots</u>
Right Of Way (M-EXMARW.dwg)	Models (M-PRPN.dwg)	<u>Plan and profile</u> (C-SH07-PPR01)
Topo Drawing (M-EXTO.dwg)	Profiles (M-PRPF#.dwg)	Storm Water Pollution Plan (C-SH11-SWP01)
Utility Drawing (M-EXUT.dwg)	Cross Sections (M-PRX#.dwg)	Signal and Lighting (C-SH13-E01)
.....	SIGNING & STRIPING (M-PRSIId.wg)	Utility Plot (C-SH18-U04)
.....
SEE LIST BELOW	SEE LIST BELOW	SEE LIST BELOW

WORKING FILES
TMP***.dwg

Master Files

Master files represent one or more features relative to an established or assumed coordinate position and rotation (the AutoCAD Command, “*Twist*” will be used for model orientation – in **NO** case will the AutoCAD Command “*Rotate*” or “*Align*” or any other command that changes the coordinate base be accepted.) As a general rule, a master file should represent a class of information. A common exception would be the existing topography file that may contain several classes, such as existing planimetrics, existing utilities, existing right of way, major contours, and minor contours.

- The County of San Diego will provide the planimetric and topographic master files showing existing conditions and will ensure the accuracy of the data
- The County of San Diego will provide the right of way master files and will ensure the accuracy of the data.
- Use AEC Settings and Drawing Setup Tools to establish the proper scale settings for line types and text, before designing the model (i.e., 1”=40’ HORIZONTAL, 1”=4’ VERTICAL.)
- Examples of master files might include Existing and/or Proposed Planimetrics, Grading, BMP’s and Storm drain features.
- Project engineers and designers shall use the DPW master file naming and layer naming standards.
- Master files should never be renamed.

All files should be in the same folder including all X-reference files

Existing Master Files

File Naming Convention:

<u>File Name</u>	<u>File Type</u>	<u>Description</u>
M-EXMARW.dwg	Master	Existing Right of Way
M-EXMASV.dwg	Master	Existing Road Survey
M-EXTO.dwg	Master	Existing Contours, Spot Elevations
M-EXUT.dwg	Master	Existing Utilities
M-EX???.DWG	Master	Existing ??

Proposed Master Files

File Naming Convention:

<u>File Name</u>	<u>File Type</u>	<u>Description</u>
M-PRAB.dwg	Master	Notes and Legend
M-PRFG.dwg	Master	Proposed Final Grading
M-PRCV.dwg	Master	Cover Sheet
M-PRDE#.dwg	Master	Proposed Details
M-PRDM.dwg	Master	Proposed Demolition
M-PREL.dwg	Master	Proposed Electrical and Lighting
M-PRGD.dwg	Master	Profile, Section Grid
M-PRLS.dwg	Master	Proposed Landscaping and Irrigation
M-PRPF#.dwg	Master	Proposed Profiles
M-PRPN#.dwg	Master	Proposed Road Alignment, Geometrics and Features
M-PRPN-HA#.dwg	Master	Hatching – Proposed surfaces
M-PRRG.dwg	Master	Proposed Rough Grading and Erosion Control
M-PRSI.dwg	Master	Proposed Signing and Striping
M-PRSR.dwg	Master	Proposed Structures
M-PRX#.dwg	Master	Proposed Typical Sections
TBBASE.dwg	Master	Project Title Block Baset

Construction Files

Construction Files are used to create hard copy construction documents. They are drawing files plotted in paper space and reference the appropriate master files. These files become the end result of a set of tasks and ultimately make a project deliverable.

- All **Construction Files** must include the current County of San Diego Standard Border (named **tbbase.dwg** in the appropriate section folder) along with the County of San Diego Standard Border Information block (named **tbbasei.dwg**
 - The County of San Diego Border (**tbbase.dwg**) shall be **x-referenced** in paper space at 0,0,0 scaled 1:1 (English Units) or at 0,0,0 scaled 25.4 “x” and “y” orientation (Metric Units).
 - The Border Information Block (**tbbasei.dwg**) shall be **Block inserted** (with attributes edited for each Construction File) in the paper space at 0,0,0 scaled 1:1 English Units or at 0,0,0 scaled 25.4 “x” and “y” orientation (Metric Units).
(The preceding tasks are automatically accomplished using the “DPW MENUES.”)
- Construction Files shall use reference files (Existing and Proposed *MODELS*) in properly scaled view ports.
-

<u>File Name</u>	<u>File Type</u>	<u>Description</u>
C-SH**-AB.dwg	Construction	Abbreviations and Legends
C-SH**-CS#.dwg	Construction	Construction Area Signs
C-SH**-DET#.dwg	Construction	Details
C-SH**-DM#.dwg	Construction	Demolition Plan
C-SH**-E#.dwg	Construction	Signal and Lighting, Sign Illumination.
C-SH**-ER#.dwg	Construction	Erosion Control Plan
C-SH**-G#.dwg	Construction	Contour Grading
C-SH**-I#.dwg	Construction	Irrigation Plan
C-SH**-L#.dwg	Construction	Landscape Plan
C-SH**-PPR#.dwg	Construction	Plan and Profile
C-SH**-PPS#.dwg	Construction	Sanitary Sewer Plan and Profile
C-SH**-PPW#.dwg	Construction	Water Line Plan and Profile
C-SH**-S#.dwg	Construction	Signing, Striping
C-SH**-SC#.dwg	Construction	Stage Construction
C-SH**-SS#.dwg	Construction	Sanitary Sewer Plan
C-SH**-ST#.dwg	Construction	Structural Plan
C-SH**-T#.dwg	Construction	Title Sheet
C-SH**-U#.dwg	Construction	Utility Plan
C-SH**-X#.dwg	Construction	Cross Sections

(** Indicates sheet number)

- Used for projects containing two or more of the same type of Sheet Files.

(C-SH05-G1..dwg, C-SH07-G2.dwg)

Working Files

File Naming Convention:

<u>File Name</u>	<u>File Type</u>	<u>Description</u>
------------------	------------------	--------------------

EX3D	Work.	Tin Lines, Faults for existing contours
------	------------	---

PR3D	Work.	Tin Lines, Faults for proposed contours
------	------------	---

Working files may contain information necessary to generate master files and may have information that will not be referenced by Sheet Files. A drawing used to import a TIN or a file containing sampled cross sections may be considered a "working file".

Temporary Files

<u>File Name</u>	<u>File Type</u>	<u>Description</u>
------------------	------------------	--------------------

TMP***.dwg	Work.	Temporary File where *** is user's initials
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Land Desktop Project Point Database

Cogo Point Number convention

- Point numbers shall be generated using the following guidelines:

Boundary & Control	Pts. 1-999
Topography	Pts. 1000-9999
Staking & As-built Record	Pts. 10000-14999
Design	Pts. 15000 and up

Land Desktop Project Alignment Names

- Alignment names are used to distinguish between various alignments and offset alignments. Use R.S. number when available, street names or control lines if R.S. Number is not available. Always provide full descriptions for all alignment names.

Examples:

Centerline Alignment		
(Alignment Name)	RS12345	(Description) Main Street RS 12345 CL
Offset Alignment		
(Alignment Name)	RS12345L3	(Description) Main Street RS 12345 Left EP
Driveway Alignment		
(Alignment Name)	DWY20561	(Description).Driveway RS 12345 Sta 20561

Land Desktop Surface Models (TIN's)

- Simplify the process for naming Surfaces as much as possible. It may be necessary to elaborate on the Surface names if the project becomes complicated and requires many different areas to be analyzed. Always provide full descriptions for all surface names.

- As a standard, use the following system to name surface models (always include descriptions):

Existing ground: E1, E2, E3 E99

Proposed ground: P1, P2, P3 P99

DELETE ALL TEMPORARY SURFACES from the Project DTM folder.

Chapter Two

CADD Layer Standards

Layers are named by combining 3 “FIELDS”. The fields are described as:
MAJOR, GROUP, and DESCRIPTION.

Major Fields: (EX)existing, (FU)future, (PR)proposed, (SY)survey, etc.

Group Fields: (MA)mapping/control, (PN)planimetrics, etc.

Description: (BW)back of walk, etc.

Thus, a typical layer would be “**PRPNBW**” describing a PProposed PAnimetric Back of Walk Layer

Layer Fields

MAJOR

EX...Existing
FU...Future
PR...Proposed
SY...Survey
--...Miscellaneous
##...Softdesk

GROUP

3D...3D Polylines
AD...AdCADD
EN...Erosion Control
EV...Environmental
EW...Earth Work
LS...Landscaping
MA...Mapping/Control
MG...Methane Gas
PC...Pollution Control
PF...(DCA) Profile
PN...Planimetrics/MMF
PU...Pump Station
PW...(DCA) PipeWorks
RG...Rough Grade
S1...Stage 1 Const.
S2...Stage 2 Const.
S3...Stage 3 Const.
S4...Stage 4 Const.
SD...Storm Drain
SI...Signing/Striping
SR...Structures
SS...Sanitary Sewer
TO...Topography/N.F.
TS...Traffic
UT...Utility
WT...Water
ZN...Zoning
--...Text/Lines

DESCRIPTION

AB.....Abutment
AC.....Asphalt Concrete
AP.....Area of Potential Effect
APTX...Assessor Parcel Number
AR.....Arrow
AV.....Air Release Valve
BA.....Storm Basin
BB.....Three Beam Barrier
BC.....Back of Curb
BD.....Bridge Deck
BE.....Bore Hole
BG.....Building Line
BH.....Bush or Shrub
BL.....TIN Border Line

BM.....Bench Mark
BN.....Boundary
BO.....Blow-off
BP.....Pedestrian Barricade
BR.....Barricade
BS.....Building Setback
BT.....Bent
BW.....Back of Walk
BX.....Box
C1.....Commercial
CA.....Crown
CB.....Catch Basin
CD.....Conduit
CF.....Cut/Fill Line
CI.....City Limit Line
CL.....Center Line
CLCN...Center Line of Construction
CLTX...Center Line Elevation
CM.....Contour Major
CMDH...Estimated Major Contours
CMDP...Depressed Major Contours
CMTX...Contour Major Label
CN.....Contour Minor
CNDH...Estimated Minor Contours
CNDP...Depressed Minor Contours
CNTX...Contour Minor Label
CO.....Cleanout
CR.....Controller
CS.....Concrete Slab or Pad
CT.....Culvert
CV.....Center Line Elevation
CW.....Concrete Wall
CY.....County Line
D1.....Dashed Stripe Long
D2.....Dashed Stripe Short
DA.....Datum
DD.....Down Drain
DE.....Detector
DESC...Point Description
DH.....Ditch Centerline
DI.....Drop Inlet
DL.....Daylight Line
DO.....Dot Marker
DP.....Dirt Pile
DR.....Pipe Drain
DT.....Top of Dike
DY.....Driveway
EC.....Electrical Cable & Features (exposed)
ECTX...Electrical Annotation/Text
ELEV...Point Elevation
EM.....Easement
EP.....Edge of Pavement
EQ.....Station Equation
ES.....Edge of Shoulder
ET.....Edge of Traveled Way

EU.....Elect.Cable/Features (Under Ground)
 EUTX...Elect.Annotation/Text
 FA.....Fault Line
 FB.....Flushing Beacon
 FBR....Fence Barrier
 FC.....Fence
 FCCL...Chain Link Fence
 FD.....Field Traverse
 FG.....Survey Figure
 FH.....Fire Hydrants & Pipes
 FHTX...Fire Pipe Annotation/Text
 FL.....Ditch Flow Line
 FN.....Foundation
 FP.....Finish Plan
 FR.....Fiber Roll
 FT.....Fill Tick
 GB.....Grade Break
 GC.....Ground Cover
 GD.....Grid
 GF.....Geo Fabric
 GI.....Girder
 GN.....Ground
 GO.....Golf Course
 GR.....Gutter Centerline
 GS.....Natural Gas Pipe & Features
 GSTX...Natural Gas Annotation/Text
 GVB....Gravel Bag
 GY.....Guy Anchor
 HA.....Hatching
 HB.....Habitat
 HG.....Hydraulic Gradeline
 HP.....Hinge Point
 HW.....Headwall
 HY.....Hay Bale
 ID.....Industrial
 IN.....Inlet
 IR.....Irrigation Line & Features
 IRTX...Irrigation Annotation/Text
 JT.....Joint Trench
 KR.....K-rail
 L1.....1st Left Trans
 L2.....2nd Left Trans
 L3.....3rd Left Trans
 L4.....4th Left Trans
 LA.....Landslide Area
 LB.....Label
 LD.....Left Ditch
 LG.....Lip of Gutter
 LL.....Layout Line
 LM.....Luminier
 LN.....Line
 LN01...Line Pen 1
 LN02...Line Pen 2
 LN03...Line Pen 3
 LN04...Line Pen 4
 LN05...Line Pen 5
 LN06...Line Pen 6

LN07...Line Pen 7
 LN08...Line Pen 8
 LO.....Lot Line
 LOTX...Lot Label/Text
 LP.....Light Pole
 LT.....Lateral or Service
 LU.....Land Use
 MB.....Metal Beam Guard Rail
 MC.....Miscellaneous
 ME.....Median
 MH.....Manhole
 MK.....Pavement Marking
 ML.....Monument Line
 MM.....Misc. Metal
 MN.....Main Line
 MO.....Monument
 MS.....MSE Wall
 MT.....Meter
 MU.....Conditional Use Permit/Major Use Permit
 MX.....Mailbox
 OH.....Overhead Line
 PB.....Pull Box
 PC.....Photo Control Point
 PD.....Pedestrian Signal
 PE.....Pier
 PI.....Pipe
 PITX...Pipe Sizes
 PK.....Park
 PL.....Property Line
 PM.....Pavement Marking
 PNTS...Point Number
 PO.....Pole
 PP.....Power Pole
 PR.....Probe
 PS.....Profile Sample Line
 PT.....Point
 PU.....Public
 PW.....Pier Wall
 PX.....Guard Post
 R1.....1st Right Trans
 R2.....2nd Right Trans
 R3.....3rd Right Trans
 R4.....4th Right Trans
 RA.....Restricted Access
 RCB....Reinforced Conc Box
 REa....Rebar ("a" Bar)
 REb....Rebar ("b" Bar)
 REc....Rebar ("c" Bar)
 REe....Rebar ("e" Bar)
 RD.....Roadway
 RF.....Roof Lines
 RG.....Right Ditch
 RI.....Riser
 RK.....Rock Slope
 RL.....Railing
 RP.....Slope Protection
 RN1....Range 1

RN2....Range 2
 RN3....Range 3
 RN4....Range 4
 RN5....Range 5
 RN6....Range 6
 RN7....Range 7
 RN8....Range 8
 RN9....Range 9
 RN10...Range 10
 RN11...Range 11
 RN12...Range 12
 RN13...Range 13
 RN14...Range 14
 RN15...Range 15
 RN16...Range 16
 RR.....Railroad
 RS.....Residential
 RT.....Retaining Wall
 RV.....River or Creek Edge
 RW.....Right of Way
 SA.....Station
 SAW....Saw Cut
 SB.....Sound Barrier Wall
 SC.....School
 SD.....Secondary Line
 SE.....Center Line of Swale
 SF.....Silt Fence
 SG.....Signal
 SH.....Shoreline
 SK.....Section Line
 SL.....Site Line/Label
 SM.....Swamp or Marsh
 SN.....Sign
 SP.....Species
 SR.....Structures
 SS.....Sanitary Sewer & Features
 ST.....State Line
 SU.....Subsite Line/Label
 SV.....Spot Elevation
 SW.....Sidewalk
 SX.....Service Cabinet
 TA.....Traverse Ctrl Pnts
 TB.....Top of Bank/Slope
 TC.....Top of Curb
 TD.....Top of Ditch
 TE.....Toe of Bank/Slope
 TF.....Transformer
 TI.....TIN Line
 TK.....Control Tick
 TL.....Telephone Cable & Features
 TLTX...Telephone Annotation/Text
 TM.....Telemetry
 TN.....Tank
 TOE....Toe of Slope
 TOP....Top of Slope
 TP.....Template
 TR.....Tree

TV.....Cable TV
 TW.....Traveled Way
 TX.....Text
 TX01...Text Pen 1
 TX02...Text Pen 2
 TX03...Text Pen 3
 TX04...Text Pen 4
 TX05...Text Pen 5
 TX06...Text Pen 6
 TX07...Text Pen 7
 TX08...Text Pen 8
 VA.....Valve
 VI.....View Line
 VN.....Vine
 VP.....Viewport
 VR.....Vertical
 VT.....Vault
 WC.....Wheel Chair Ramp
 WE.....Production Well
 WD.....Water Drop
 WM.....Monitor Well
 WP.....Wood Post
 WS.....White Stripe
 WT.....Water Lines & Features
 WTTX...Water Annotation/Text
 WW.....Wing Wall
 WX.....Non-Producing well
 XL.....Section Sample Lines
 XR.....Insertion of X-refed Dwgs.
 XS.....Cross Section
 XW.....Cross Walk Stripe
 XX.....Temporary Line/Text
 YS.....Yellow StripeTX05 Text Pen 5

Standard AutoCAD Layer Names

LAYER	COLOR	LINE TYPE	DESCRIPTION
----HA	31	Continuous	Miscellaneous Text\Lines Hatching
----LN	2	Continuous	Miscellaneous Text\Lines Line
----LN01	1	Continuous	Miscellaneous Text\Lines Line Pen 1
----LN02	2	Continuous	Miscellaneous Text\Lines Line Pen 2
----LN03	3	Continuous	Miscellaneous Text\Lines Line Pen 3
----LN04	4	Continuous	Miscellaneous Text\Lines Line Pen 4
----LN05	5	Continuous	Miscellaneous Text\Lines Line Pen 5
----LN06	6	Continuous	Miscellaneous Text\Lines Line Pen 6
----LN07	7	Continuous	Miscellaneous Text\Lines Line Pen 7
----TK	11	Continuous	Miscellaneous Text\Lines Control Tick
----TX	2	Continuous	Miscellaneous Text\Lines Text
----TX01	1	Continuous	Miscellaneous Text\Lines Text Pen 1
----TX02	2	Continuous	Miscellaneous Text\Lines Text Pen 2
----TX03	3	Continuous	Miscellaneous Text\Lines Text Pen 3
----TX04	4	Continuous	Miscellaneous Text\Lines Text Pen 4
----TX05	5	Continuous	Miscellaneous Text\Lines Text Pen 5
----TX06	6	Continuous	Miscellaneous Text\Lines Text Pen 6
----TX07	7	Continuous	Miscellaneous Text\Lines Text Pen 7
----TX08	8	Continuous	Miscellaneous Text\Lines Text Pen 8
----VP	7	Continuous	Miscellaneous Text\Lines Viewport
----XR	1	Continuous	Miscellaneous Text\Lines Insertion of X-refed Dwgs.
----XX	1	Continuous	Miscellaneous Text\Lines Temporary Line/Text
DESC	2	Continuous	Softdesk AdCADD Point Description
ELEV	3	Continuous	Softdesk AdCADD Point Elevation
EX3DBL	1	Continuous	Existing 3D Polylines TIN Border Line
EX3DFA	1	Continuous	Existing 3D Polylines Fault Line
EX3DGD	1	Continuous	Existing 3D Polylines Grid
EX3DRN1	11	Continuous	Existing 3D Polylines Range 1
EX3DRN10	12	Continuous	Existing 3D Polylines Range 10
EX3DRN11	13	Continuous	Existing 3D Polylines Range 11
EX3DRN12	14	Continuous	Existing 3D Polylines Range 12
EX3DRN13	11	Continuous	Existing 3D Polylines Range 13
EX3DRN14	12	Continuous	Existing 3D Polylines Range 14
EX3DRN15	13	Continuous	Existing 3D Polylines Range 15
EX3DRN16	14	Continuous	Existing 3D Polylines Range 16
EX3DRN2	12	Continuous	Existing 3D Polylines Range 2
EX3DRN3	13	Continuous	Existing 3D Polylines Range 3
EX3DRN4	14	Continuous	Existing 3D Polylines Range 4
EX3DRN5	11	Continuous	Existing 3D Polylines Range 5
EX3DRN6	12	Continuous	Existing 3D Polylines Range 6
EX3DRN7	13	Continuous	Existing 3D Polylines Range 7
EX3DRN8	14	Continuous	Existing 3D Polylines Range 8
EX3DRN9	11	Continuous	Existing 3D Polylines Range 9
EX3DTI	1	Continuous	Existing 3D Polylines TIN Line
EX3DWD	12	Continuous	Existing 3D Polylines Water Drop

EX3DXS	1 Continuous	Existing 3D Polylines Cross Section
EXADFD	1 Continuous	Existing AdCADD Field Traverse
EXADFG	1 Continuous	Existing AdCADD Survey Figure
EXADGN	11 Continuous	Existing AdCADD Ground
EXENGF	15 DASHDOT	Existing Erosion Control Geo Fabric
EXENHA	13 Continuous	Existing Erosion Control Hatching
EXENHY	14 Continuous	Existing Erosion Control Hay Bale
EXENTX	13 Continuous	Existing Erosion Control Text
EXEVHA	12 Continuous	Existing Environmental Hatching
EXEVHB	14 Continuous	Existing Environmental Habitat
EXEVSP	13 Continuous	Existing Environmental Species
EXEVTX	12 Continuous	Existing Environmental Text
EXLSBH	82 Continuous	Existing Landscaping Bush or Shrub
EXLSGC	11 Continuous	Existing Landscaping Ground Cover
EXLSIR	13 Continuous	Existing Landscaping Irrigation Line & Features
EXLSIRTX	12 Continuous	Existing Landscaping Irrigation Annotation/Text
EXLSMC	12 Continuous	Existing Landscaping Miscellaneous
EXLSTR	86 Continuous	Existing Landscaping Tree
EXLSTX	11 Continuous	Existing Landscaping Text
EXLSVN	11 Continuous	Existing Landscaping Vine
EXMABM	2 Continuous	Existing Mapping/Control Bench Mark
EXMABN	4 BORDER	Existing Mapping/Control Boundary
EXMABS	1 HIDDEN	Existing Mapping/Control Building Setback
EXMACI	4 BORDER	Existing Mapping/Control City Limit Line
EXMACL	4 Continuous	Existing Mapping/Control Center Line
EXMACY	4 Continuous	Existing Mapping/Control County Line
EXMAEM	1 DASHED	Existing Mapping/Control Easement
EXMAEQ	2 Continuous	Existing Mapping/Control Station Equation
EXMAGD	11 Continuous	Existing Mapping/Control Grid
EXMALO	2 Continuous	Existing Mapping/Control Lot Line
EXMAMC	2 Continuous	Existing Mapping/Control Miscellaneous
EXMAML	2 PHANTOM2	Existing Mapping/Control Monument Line
EXMAMO	2 Continuous	Existing Mapping/Control Monument
EXMAPC	2 Continuous	Existing Mapping/Control Photo Control Point
EXMAPL	3 Continuous	Existing Mapping/Control Property Line
EXMARA	1 Continuous	Existing Mapping/Control Restricted Access
EXMARW	4 Continuous	Existing Mapping/Control Right of Way
EXMASA	2 Continuous	Existing Mapping/Control Station
EXMASK	2 PHANTOM	Existing Mapping/Control Section Line
EXMAST	4 BORDERX2	Existing Mapping/Control State Line
EXMATA	2 Continuous	Existing Mapping/Control Traverse Ctrl Pnts
EXMATX	1 Continuous	Existing Mapping/Control Text
EXMATX01	1 Continuous	Existing Mapping/Control Text Pen 1
EXMATX02	2 Continuous	Existing Mapping/Control Text Pen 2
EXMATX03	3 Continuous	Existing Mapping/Control Text Pen 3
EXMATX04	4 Continuous	Existing Mapping/Control Text Pen 4
EXMATX05	5 Continuous	Existing Mapping/Control Text Pen 5
EXMATX06	6 Continuous	Existing Mapping/Control Text Pen 6
EXMATX07	7 Continuous	Existing Mapping/Control Text Pen 7

EXMGMC	12 Continuous	Existing Methane Gas Miscellaneous
EXMGPI	12 Continuous	Existing Methane Gas Pipe
EXMGPR	12 Continuous	Existing Methane Gas Probe
EXMGTX	12 Continuous	Existing Methane Gas Text
EXMGWE	13 Continuous	Existing Methane Gas Production Well
EXMGWM	14 Continuous	Existing Methane Gas Monitor Well
EXMGWX	12 Continuous	Existing Methane Gas Non-Producing well
EXPFCL	1 HIDDEN	Existing (DCA) Profile Center Line
EXPFCLTX	2 Continuous	Existing (DCA) Profile Center Line Elevation
EXPFCV	2 Continuous	Existing (DCA) Profile Center Line Elevation
EXPFDA	2 Continuous	Existing (DCA) Profile Datum
EXPFFL	2 DASHED2	Existing (DCA) Profile Ditch Flow Line
EXPFGD	16 Continuous	Existing (DCA) Profile Grid
EXPFSA	3 Continuous	Existing (DCA) Profile Station
EXPFTX	2 Continuous	Existing (DCA) Profile Text
EXPFVR	2 Continuous	Existing (DCA) Profile Vertical
EXPNAB	11 Continuous	Existing Planimetrics/MMF Abutment
EXPNAC	252 Continuous	Existing Planimetrics/MMF Asphalt Concrete
EXPNBB	11 HIDDEN	Existing Planimetrics/MMF Three Beam Barrier
EXPNBC	11 Continuous	Existing Planimetrics/MMF Back of Curb
EXPNBD	12 Continuous	Existing Planimetrics/MMF Bridge Deck
EXPNBG	41 Continuous	Existing Planimetrics/MMF Building Line
EXPNBR	12 Continuous	Existing Planimetrics/MMF Barricade
EXPNBW	12 Continuous	Existing Planimetrics/MMF Back of Walk
EXPNCA	12 Continuous	Existing Planimetrics/MMF Crown
EXPNCL	2 Continuous	Existing Planimetrics/MMF Center Line
EXPNCS	12 Continuous	Existing Planimetrics/MMF Concrete Slab or Pad
EXPNCW	13 Continuous	Existing Planimetrics/MMF Concrete Wall
EXPNDT	12 HIDDEN2	Existing Planimetrics/MMF Top of Dike
EXPNDY	12 Continuous	Existing Planimetrics/MMF Driveway
EXPNEP	12 Continuous	Existing Planimetrics/MMF Edge of Pavement
EXPNES	12 Continuous	Existing Planimetrics/MMF Edge of Shoulder
EXPNET	11 Continuous	Existing Planimetrics/MMF Edge of Traveled Way
EXPNFC	44 CHAINLINK	Existing Planimetrics/MMF Fence
EXPNFCL	12 CHAINLINK	Existing Planimetrics/MMF Chain Link Fence
EXPNFL	11 Continuous	Existing Planimetrics/MMF Ditch Flow Line
EXPNFN	11 DASHED	Existing Planimetrics/MMF Foundation
EXPNGR	12 CENTER2	Existing Planimetrics/MMF Gutter Centerline
EXPNGY	11 Continuous	Existing Planimetrics/MMF Guy Anchor
EXPNHW	11 Continuous	Existing Planimetrics/MMF Headwall
EXPNKR	12 Continuous	Existing Planimetrics/MMF K-rail
EXPNLG	11 Continuous	Existing Planimetrics/MMF Lip of Gutter
EXPNMB	12 Continuous	Existing Planimetrics/MMF Metal Beam Guard Rail
EXPNMC	12 Continuous	Existing Planimetrics/MMF Miscellaneous
EXPNME	13 Continuous	Existing Planimetrics/MMF Median
EXPNMX	13 Continuous	Existing Planimetrics/MMF Mailbox
EXPNPW	13 Continuous	Existing Planimetrics/MMF Pier Wall
EXPNRF	12 Continuous	Existing Planimetrics/MMF Roof Lines
EXPNRL	11 Continuous	Existing Planimetrics/MMF Railing

EXPNRP	12 Continuous	Existing Planimetrics/MMF Slope Protection
EXPNRR	12 Continuous	Existing Planimetrics/MMF Railroad
EXPNRT	12 RETAIN	Existing Planimetrics/MMF Retaining Wall
EXPNRV	13 Continuous	Existing Planimetrics/MMF River or Creek Edge
EXPNSAW	3 HIDDEN	Existing Planimetrics/MMF Saw Cut
EXPNSB	12 Continuous	Existing Planimetrics/MMF Sound Barrier Wall
EXPNSW	254 Continuous	Existing Planimetrics/MMF Sidewalk
EXPNTC	135 Continuous	Existing Planimetrics/MMF Top of Curb
EXPNTN	14 Continuous	Existing Planimetrics/MMF Tank
EXPNTW	3 HIDDEN	Existing Planimetrics/MMF Traveled Way
EXPNTX	1 Continuous	Existing Planimetrics/MMF Text
EXPNVT	12 Continuous	Existing Planimetrics/MMF Vault
EXPNWC	13 Continuous	Existing Planimetrics/MMF Wheel Chair Ramp
EXPNWP	13 Continuous	Existing Planimetrics/MMF Wood Post
EXPNWW	13 Continuous	Existing Planimetrics/MMF Wing Wall
EXPUCS	12 Continuous	Existing Pump Station Concrete Slab or Pad
EXPUCW	12 Continuous	Existing Pump Station Concrete Wall
EXPUDR	11 Continuous	Existing Pump Station Pipe Drain
EXPUEC	12 Continuous	Existing Pump Station Electrical Cable & Features (exposed)
EXPUFN	12 Continuous	Existing Pump Station Foundation
EXPUPI	11 Continuous	Existing Pump Station Pipe
EXPCTX	11 Continuous	Existing Pump Station Text
EXSDBA	12 HIDDEN	Existing Storm Drain Storm Basin
EXSDCB	12 Continuous	Existing Storm Drain Catch Basin
EXSDCL	8 STRM-DRAIN	Existing Storm Drain Center Line
EXSDCT	30 HIDDENX2	Existing Storm Drain Culvert
EXSDDD	12 Continuous	Existing Storm Drain Down Drain
EXSDDH	11 CENTER2	Existing Storm Drain Ditch Centerline
EXSDDI	12 Continuous	Existing Storm Drain Drop Inlet
EXSDFL	11 Continuous	Existing Storm Drain Ditch Flow Line
EXSDHW	13 Continuous	Existing Storm Drain Headwall
EXSDIN	12 Continuous	Existing Storm Drain Inlet
EXSDMC	12 Continuous	Existing Storm Drain Miscellaneous
EXSDMH	12 Continuous	Existing Storm Drain Manhole
EXSDPI	14 HIDDEN	Existing Storm Drain Pipe
EXSDPITX	12 Continuous	Existing Storm Drain Pipe Sizes
EXSDSR	12 Continuous	Existing Storm Drain Structures
EXSDTX	11 Continuous	Existing Storm Drain Text
EXSDWW	13 Continuous	Existing Storm Drain Wing Wall
EXSID1	12 DASHEDX2	Existing Signing/Striping Dashed Stripe Long
EXSID2	12 DASHED	Existing Signing/Striping Dashed Stripe Short
EXSIDO	12 Continuous	Existing Signing/Striping Dot Marker
EXSIMC	12 Continuous	Existing Signing/Striping Miscellaneous
EXSIMK	12 Continuous	Existing Signing/Striping Pavement Marking
EXSIPM	12 Continuous	Existing Signing/Striping Pavement Marking
EXSISN	12 Continuous	Existing Signing/Striping Sign
EXSIWS	255 Continuous	Existing Signing/Striping White Stripe
EXSIXW	255 Continuous	Existing Signing/Striping Cross Walk Stripe
EXSIYS	53 Continuous	Existing Signing/Striping Yellow Stripe

EXSRAB	12 HIDDEN	Existing Structures Abutment
EXSRBD	12 Continuous	Existing Structures Bridge Deck
EXSRBG	11 Continuous	Existing Structures Building Line
EXSRBT	12 Continuous	Existing Structures Bent
EXSRFN	12 HIDDEN	Existing Structures Foundation
EXSRGI	12 Continuous	Existing Structures Girder
EXSRMM	1 Continuous	Existing Structures Misc. Metal
EXSRMS	12 Continuous	Existing Structures MSE Wall
EXSRPE	12 Continuous	Existing Structures Pier
EXSRPI	1 Continuous	Existing Structures Pipe
EXSRRCB	1 Continuous	Existing Structures Reinforced Conc Box
EXSRREa	9 HIDDEN	Existing Structures Rebar ("a" Bar)
EXSRREb	9 HIDDEN	Existing Structures Rebar ("b" Bar)
EXSRREc	9 HIDDEN	Existing Structures Rebar ("c" Bar)
EXSRREe	9 HIDDEN	Existing Structures Rebar ("e" Bar)
EXSRRT	12 Continuous	Existing Structures Retaining Wall
EXSRSB	12 Continuous	Existing Structures Sound Barrier Wall
EXSRTN	12 Continuous	Existing Structures Tank
EXSSCO	12 Continuous	Existing Sanitary Sewer Cleanout
EXSSIN	12 Continuous	Existing Sanitary Sewer Inlet
EXSSLT	13 HIDDEN2	Existing Sanitary Sewer Lateral or Service
EXSSMC	12 Continuous	Existing Sanitary Sewer Miscellaneous
EXSSMH	12 Continuous	Existing Sanitary Sewer Manhole
EXSSPI	14 HIDDEN	Existing Sanitary Sewer Pipe
EXSSPITX	12 Continuous	Existing Sanitary Sewer Pipe Sizes
EXSSTX	11 Continuous	Existing Sanitary Sewer Text
EXTOCM	9 Continuous	Existing Topography/N.F. Contour Major
EXTOCMDH	9 DASHED	Existing Topography/N.F. Estimated Major Contours
EXTOCMDP	9 DASHED2	Existing Topography/N.F. Depressed Major Contours
EXTOCMTX	9 Continuous	Existing Topography/N.F. Contour Major Label
EXTOCN	8 Continuous	Existing Topography/N.F. Contour Minor
EXTOCNDH	8 DASHED	Existing Topography/N.F. Estimated Minor Contours
EXTOCNDP	8 DASHED2	Existing Topography/N.F. Depressed Minor Contours
EXTOCNTX	8 Continuous	Existing Topography/N.F. Contour Minor Label
EXTODP	12 Continuous	Existing Topography/N.F. Dirt Pile
EXTOFL	12 CENTER2	Existing Topography/N.F. Ditch Flow Line
EXTOGB	12 Continuous	Existing Topography/N.F. Grade Break
EXTOHP	20 Continuous	Existing Topography/N.F. Hinge Point
EXTOLB	13 Continuous	Existing Topography/N.F. Label
EXTOMC	12 Continuous	Existing Topography/N.F. Miscellaneous
EXTORK	12 Continuous	Existing Topography/N.F. Rock Slope
EXTORV	12 CENTER2	Existing Topography/N.F. River or Creek Edge
EXTOSH	12 HIDDEN	Existing Topography/N.F. Shoreline
EXTOSM	13 Continuous	Existing Topography/N.F. Swamp or Marsh
EXTOSV	12 Continuous	Existing Topography/N.F. Spot Elevation
EXTOTOE	22 HIDDEN	Existing Topography/N.F. Toe of Slope
EXTOTOP	23 HIDDEN2	Existing Topography/N.F. Top of Slope
EXTSCR	1 HIDDEN2	Existing Traffic Controller
EXTSDE	1 HIDDEN2	Existing Traffic Detector

EXTSFB	1 HIDDEN2	Existing Traffic Flushing Beacon
EXTSMC	1 Continuous	Existing Traffic Miscellaneous
EXTSPO	1 Continuous	Existing Traffic Pole
EXTSSG	1 HIDDEN2	Existing Traffic Signal
EXTSSN	1 Continuous	Existing Traffic Sign
EXTSSX	1 HIDDEN2	Existing Traffic Service Cabinet
EXTSTX	2 Continuous	Existing Traffic Text
EXUTBX	11 Continuous	Existing Utility Box
EXUTCD	12 DASHED2	Existing Utility Conduit
EXUTEC	12 Continuous	Existing Utility Electrical Cable & Features (exposed)
EXUTECTX	13 Continuous	Existing Utility Electrical Annotation/Text
EXUTEU	12 Continuous	Existing Utility Elect.Cable/Features (Under Ground)
EXUTEUTX	13 Continuous	Existing Utility Elect.Annotation/Text
EXUTGS	12 Continuous	Existing Utility Natural Gas Pipe & Features
EXUTGSTX	13 Continuous	Existing Utility Natural Gas Annotation/Text
EXUTJT	12 HIDDEN	Existing Utility Joint Trench
EXUTLP	12 Continuous	Existing Utility Light Pole
EXUTLU	12 Continuous	Existing Utility Land Use
EXUTMC	12 Continuous	Existing Utility Miscellaneous
EXUTMH	12 Continuous	Existing Utility Manhole
EXUTMT	11 Continuous	Existing Utility Meter
EXUTOH	12 HIDDENX2	Existing Utility Overhead Line
EXUTPO	12 Continuous	Existing Utility Pole
EXUTPP	1 Continuous	Existing Utility Power Pole
EXUTSS	12 Continuous	Existing Utility Sanitary Sewer & Features
EXUTTL	12 Continuous	Existing Utility Telephone Cable & Features
EXUTTLTX	13 Continuous	Existing Utility Telephone Annotation/Text
EXUTTV	12 Continuous	Existing Utility Cable TV
EXUTTX	41 Continuous	Existing Utility Text
EXUTVT	12 Continuous	Existing Utility Vault
EXUTWT	12 Continuous	Existing Utility Water Lines & Features
EXUTWTTX	13 Continuous	Existing Utility Water Annotation/Text
EXWTAV	12 Continuous	Existing Water Air Release Valve
EXWTBO	12 Continuous	Existing Water Blow-off
EXWTFH	12 Continuous	Existing Water Fire Hydrants & Pipes
EXWTLT	12 HIDDEN2	Existing Water Lateral or Service
EXWTMH	1 Continuous	Existing Water Manhole
EXWTMT	12 Continuous	Existing Water Meter
EXWTPI	14 DASHEDX2	Existing Water Pipe
EXWTRI	12 Continuous	Existing Water Riser
EXWTTX	11 Continuous	Existing Water Text
EXWTVA	12 Continuous	Existing Water Valve
EXZNAPTX	12 Continuous	Existing Zoning Assessor Parcel Number
EXZNC1	13 Continuous	Existing Zoning Commercial
EXZNGO	13 Continuous	Existing Zoning Golf Course
EXZNHA	11 Continuous	Existing Zoning Hatching
EXZNID	13 Continuous	Existing Zoning Industrial
EXZNLU	12 Continuous	Existing Zoning Land Use
EXZNMU	13 Continuous	Existing Zoning Conditional Use Permit/Major Use Permit

EXZNPK	13 Continuous	Existing Zoning Park
EXZNPU	13 Continuous	Existing Zoning Public
EXZNRD	13 Continuous	Existing Zoning Roadway
EXZNRS	13 Continuous	Existing Zoning Residential
EXZNSC	13 DIVIDE	Existing Zoning School
FUMABN	5 DASHED	Future Mapping/Control Boundary
FUMACL	2 Continuous	Future Mapping/Control Center Line
FUMAEM	2 DASHED2	Future Mapping/Control Easement
FUMALO	2 Continuous	Future Mapping/Control Lot Line
FUMAPL	3 Continuous	Future Mapping/Control Property Line
FUMARA	2 HIDDEN	Future Mapping/Control Restricted Access
FUMARW	4 HIDDEN	Future Mapping/Control Right of Way
FUMATX	3 Continuous	Future Mapping/Control Text
FUMGMC	2 Continuous	Future Methane Gas Miscellaneous
FUMGPI	2 Continuous	Future Methane Gas Pipe
FUMGPR	2 Continuous	Future Methane Gas Probe
FUMGTX	2 Continuous	Future Methane Gas Text
FUMGWE	3 Continuous	Future Methane Gas Production Well
FUMGWM	4 Continuous	Future Methane Gas Monitor Well
FUMGWX	2 Continuous	Future Methane Gas Non-Producing well
FUPFCL	4 HIDDEN	Future (DCA) Profile Center Line
FUPFCLTX	3 Continuous	Future (DCA) Profile Center Line Elevation
FUPFDA	2 Continuous	Future (DCA) Profile Datum
FUPFFL	4 DASHED2	Future (DCA) Profile Ditch Flow Line
FUPFSA	3 Continuous	Future (DCA) Profile Station
FUPFTX	3 Continuous	Future (DCA) Profile Text
FUPNAB	1 Continuous	Future Planimetrics/MMF Abutment
FUPNAC	1 Continuous	Future Planimetrics/MMF Asphalt Concrete
FUPNBB	1 HIDDEN	Future Planimetrics/MMF Three Beam Barrier
FUPNBC	1 Continuous	Future Planimetrics/MMF Back of Curb
FUPNBD	2 Continuous	Future Planimetrics/MMF Bridge Deck
FUPNBG	5 Continuous	Future Planimetrics/MMF Building Line
FUPNBW	2 Continuous	Future Planimetrics/MMF Back of Walk
FUPNCA	2 Continuous	Future Planimetrics/MMF Crown
FUPNCS	4 Continuous	Future Planimetrics/MMF Concrete Slab or Pad
FUPNCW	3 Continuous	Future Planimetrics/MMF Concrete Wall
FUPNDY	2 Continuous	Future Planimetrics/MMF Driveway
FUPNEP	2 HIDDEN	Future Planimetrics/MMF Edge of Pavement
FUPNES	2 HIDDEN	Future Planimetrics/MMF Edge of Shoulder
FUPNET	2 HIDDEN	Future Planimetrics/MMF Edge of Traveled Way
FUPNFC	12 CHAINLINK	Future Planimetrics/MMF Fence
FUPNFCCL	1 CHAINLINK	Future Planimetrics/MMF Chain Link Fence
FUPNGR	2 CENTER2	Future Planimetrics/MMF Gutter Centerline
FUPNKR	3 Continuous	Future Planimetrics/MMF K-rail
FUPNLG	4 DASHED	Future Planimetrics/MMF Lip of Gutter
FUPNMB	1 Continuous	Future Planimetrics/MMF Metal Beam Guard Rail
FUPNME	3 Continuous	Future Planimetrics/MMF Median
FUPNRL	1 Continuous	Future Planimetrics/MMF Railing
FUPNRT	4 RETAIN	Future Planimetrics/MMF Retaining Wall

FUPNRV	2 Continuous	Future Planimetrics/MMF River or Creek Edge
FUPNSB	2 Continuous	Future Planimetrics/MMF Sound Barrier Wall
FUPNSW	1 Continuous	Future Planimetrics/MMF Sidewalk
FUPNTC	3 Continuous	Future Planimetrics/MMF Top of Curb
FUPNTX	3 Continuous	Future Planimetrics/MMF Text
FUPNWP	3 Continuous	Future Planimetrics/MMF Wood Post
FUZNAPT	2 Continuous	Future Zoning Assessor Parcel Number
FUZNGO	5 DASHED	Future Zoning Golf Course
FUZNHA	1 Continuous	Future Zoning Hatching
FUZNID	5 DASHED	Future Zoning Industrial
FUZNLU	2 Continuous	Future Zoning Land Use
FUZNMU	4 Continuous	Future Zoning Conditional Use Permit/Major Use Permit
FUZNPK	5 DASHED	Future Zoning Park
FUZNPU	5 DASHED	Future Zoning Public
FUZNRD	5 DASHED	Future Zoning Roadway
FUZNRS	5 DASHED	Future Zoning Residential
FUZNSC	5 DIVIDE	Future Zoning School
PNTS	1 Continuous	Softdesk AdCADD Point Number
PR3DBL	2 Continuous	Proposed 3D Polyline TIN Border Line
PR3DFA	2 Continuous	Proposed 3D Polyline Fault Line
PR3DGD	2 Continuous	Proposed 3D Polyline Grid
PR3DRN1	1 Continuous	Proposed 3D Polyline Range 1
PR3DRN10	2 Continuous	Proposed 3D Polyline Range 10
PR3DRN11	3 Continuous	Proposed 3D Polyline Range 11
PR3DRN12	4 Continuous	Proposed 3D Polyline Range 12
PR3DRN13	1 Continuous	Proposed 3D Polyline Range 13
PR3DRN14	2 Continuous	Proposed 3D Polyline Range 14
PR3DRN15	3 Continuous	Proposed 3D Polyline Range 15
PR3DRN16	4 Continuous	Proposed 3D Polyline Range 16
PR3DRN2	2 Continuous	Proposed 3D Polyline Range 2
PR3DRN3	3 Continuous	Proposed 3D Polyline Range 3
PR3DRN4	4 Continuous	Proposed 3D Polyline Range 4
PR3DRN5	1 Continuous	Proposed 3D Polyline Range 5
PR3DRN6	2 Continuous	Proposed 3D Polyline Range 6
PR3DRN7	3 Continuous	Proposed 3D Polyline Range 7
PR3DRN8	4 Continuous	Proposed 3D Polyline Range 8
PR3DRN9	1 Continuous	Proposed 3D Polyline Range 9
PR3DTI	2 Continuous	Proposed 3D Polyline TIN Line
PR3DWD	4 Continuous	Proposed 3D Polyline Water Drop
PR3DXS	2 Continuous	Proposed 3D Polyline Cross Section
PRADDA	2 Continuous	Proposed AdCADD Datum
PRADFT	2 Continuous	Proposed AdCADD Fill Tick
PRADGD	16 Continuous	Proposed AdCADD Grid
PRADLB	3 Continuous	Proposed AdCADD Label
PRADPS	2 Continuous	Proposed AdCADD Profile Sample Line
PRADSU	3 Continuous	Proposed AdCADD Subsite Line/Label
PRADTP	3 Continuous	Proposed AdCADD Template
PRADTX	3 Continuous	Proposed AdCADD Text
PRENGF	5 DASHDOT	Proposed Erosion Control Geo Fabric

PRENHA	3 Continuous	Proposed Erosion Control Hatching
PRENHY	4 Continuous	Proposed Erosion Control Hay Bale
PRENTX	3 Continuous	Proposed Erosion Control Text
PREVAP	12 PHANTOM	Proposed Environmental Area of Potential Effect
PREVHA	2 Continuous	Proposed Environmental Hatching
PREVHB	4 Continuous	Proposed Environmental Habitat
PREVSP	3 Continuous	Proposed Environmental Species
PREVTX	2 Continuous	Proposed Environmental Text
PREWHP	1 Continuous	Proposed Earth Work Hinge Point
PREWTOE	1 HIDDEN	Proposed Earth Work Toe of Slope
PREWTOP	1 HIDDEN2	Proposed Earth Work Top of Slope
PRLSBH	3 Continuous	Proposed Landscaping Bush or Shrub
PRLSGC	1 Continuous	Proposed Landscaping Ground Cover
PRLSIR	3 Continuous	Proposed Landscaping Irrigation Line & Features
PRLSIRTX	2 Continuous	Proposed Landscaping Irrigation Annotation/Text
PRLSMC	1 Continuous	Proposed Landscaping Miscellaneous
PRLSTR	3 Continuous	Proposed Landscaping Tree
PRLSTX	3 Continuous	Proposed Landscaping Text
PRLSVN	3 Continuous	Proposed Landscaping Vine
PRMABN	6 BORDER	Proposed Mapping/Control Boundary
PRMABS	2 HIDDEN	Proposed Mapping/Control Building Setback
PRMACL	4 Continuous	Proposed Mapping/Control Center Line
PRMACLCN	5 DASHED	Proposed Mapping/Control Center Line of Construction
PRMAEM	2 DASHED	Proposed Mapping/Control Easement
PRMAEQ	3 Continuous	Proposed Mapping/Control Station Equation
PRMAGD	11 Continuous	Proposed Mapping/Control Grid
PRMALO	4 Continuous	Proposed Mapping/Control Lot Line
PRMAMC	3 Continuous	Proposed Mapping/Control Miscellaneous
PRMAML	3 PHANTOM2	Proposed Mapping/Control Monument Line
PRMAMO	2 Continuous	Proposed Mapping/Control Monument
PRMAPL	4 Continuous	Proposed Mapping/Control Property Line
PRMARA	3 HIDDEN	Proposed Mapping/Control Restricted Access
PRMARW	4 PHANTOM	Proposed Mapping/Control Right of Way
PRMASA	3 Continuous	Proposed Mapping/Control Station
PRMATX	3 Continuous	Proposed Mapping/Control Text
PRMATX01	1 Continuous	Proposed Mapping/Control Text Pen 1
PRMATX02	2 Continuous	Proposed Mapping/Control Text Pen 2
PRMATX03	3 Continuous	Proposed Mapping/Control Text Pen 3
PRMATX04	4 Continuous	Proposed Mapping/Control Text Pen 4
PRMATX05	5 Continuous	Proposed Mapping/Control Text Pen 5
PRMATX06	6 Continuous	Proposed Mapping/Control Text Pen 6
PRMATX07	7 Continuous	Proposed Mapping/Control Text Pen 7
PRMGMC	2 Continuous	Proposed Methane Gas Miscellaneous
PRMGPI	2 Continuous	Proposed Methane Gas Pipe
PRMGPR	2 Continuous	Proposed Methane Gas Probe
PRMGTX	2 Continuous	Proposed Methane Gas Text
PRMGWE	3 Continuous	Proposed Methane Gas Production Well
PRMGWM	4 Continuous	Proposed Methane Gas Monitor Well
PRMGWX	2 Continuous	Proposed Methane Gas Non-Producing well

PRPCFR	1 FIBER_ROLE	Proposed Pollution Control Fiber Roll
PRPCSF	1 HIDDEN	Proposed Pollution Control Silt Fence
PRPCTOP	1 HIDDEN2	Proposed Pollution Control Top of Slope
PRPFCL	4 Continuous	Proposed (DCA) Profile Center Line
PRPFCLTX	3 Continuous	Proposed (DCA) Profile Center Line Elevation
PRPFL1	2 Continuous	Proposed (DCA) Profile 1st Left Trans
PRPFL2	2 Continuous	Proposed (DCA) Profile 2nd Left Trans
PRPFL3	2 Continuous	Proposed (DCA) Profile 3rd Left Trans
PRPFL4	2 Continuous	Proposed (DCA) Profile 4th Left Trans
PRPFLD	2 Continuous	Proposed (DCA) Profile Left Ditch
PRPFR1	2 Continuous	Proposed (DCA) Profile 1st Right Trans
PRPFR2	2 Continuous	Proposed (DCA) Profile 2nd Right Trans
PRPFR3	2 Continuous	Proposed (DCA) Profile 3rd Right Trans
PRPFR4	2 Continuous	Proposed (DCA) Profile 4th Right Trans
PRPFRG	2 Continuous	Proposed (DCA) Profile Right Ditch
PRPFTX	3 Continuous	Proposed (DCA) Profile Text
PRPNAB	1 Continuous	Proposed Planimetrics/MMF Abutment
PRPNAC	1 Continuous	Proposed Planimetrics/MMF Asphalt Concrete
PRPNBB	1 HIDDEN	Proposed Planimetrics/MMF Three Beam Barrier
PRPNBC	1 Continuous	Proposed Planimetrics/MMF Back of Curb
PRPNBD	2 Continuous	Proposed Planimetrics/MMF Bridge Deck
PRPNBG	5 Continuous	Proposed Planimetrics/MMF Building Line
PRPNBR	3 Continuous	Proposed Planimetrics/MMF Barricade
PRPNBW	2 Continuous	Proposed Planimetrics/MMF Back of Walk
PRPNCA	2 Continuous	Proposed Planimetrics/MMF Crown
PRPNCL	3 Continuous	Proposed Planimetrics/MMF Center Line
PRPNCS	4 Continuous	Proposed Planimetrics/MMF Concrete Slab or Pad
PRPNCW	3 Continuous	Proposed Planimetrics/MMF Concrete Wall
PRPNDT	5 Continuous	Proposed Planimetrics/MMF Top of Dike
PRPNDY	3 Continuous	Proposed Planimetrics/MMF Driveway
PRPNEP	2 Continuous	Proposed Planimetrics/MMF Edge of Pavement
PRPNES	3 Continuous	Proposed Planimetrics/MMF Edge of Shoulder
PRPNET	3 Continuous	Proposed Planimetrics/MMF Edge of Traveled Way
PRPNFC	3 CHAINLINK	Proposed Planimetrics/MMF Fence
PRPNFCCL	3 CHAINLINK	Proposed Planimetrics/MMF Chain Link Fence
PRPNFN	3 DASHED	Proposed Planimetrics/MMF Foundation
PRPNGR	2 CENTER2	Proposed Planimetrics/MMF Gutter Centerline
PRPNGY	2 Continuous	Proposed Planimetrics/MMF Guy Anchor
PRPNHP	2 Continuous	Proposed Planimetrics/MMF Hinge Point
PRPNHW	3 Continuous	Proposed Planimetrics/MMF Headwall
PRPNKR	4 Continuous	Proposed Planimetrics/MMF K-rail
PRPNLG	2 Continuous	Proposed Planimetrics/MMF Lip of Gutter
PRPNMB	3 Continuous	Proposed Planimetrics/MMF Metal Beam Guard Rail
PRPNMC	3 Continuous	Proposed Planimetrics/MMF Miscellaneous
PRPNME	3 Continuous	Proposed Planimetrics/MMF Median
PRPNMX	3 Continuous	Proposed Planimetrics/MMF Mailbox
PRPNPW	3 Continuous	Proposed Planimetrics/MMF Pier Wall
PRPNRL	1 Continuous	Proposed Planimetrics/MMF Railing
PRPNRP	2 Continuous	Proposed Planimetrics/MMF Slope Protection

PRPNRT	4 RETAIN	Proposed Planimetrics/MMF Retaining Wall
PRPNRV	4 Continuous	Proposed Planimetrics/MMF River or Creek Edge
PRPNSAW	1 HIDDEN	Proposed Planimetrics/MMF Saw Cut
PRPNSB	2 Continuous	Proposed Planimetrics/MMF Sound Barrier Wall
PRPNSW	3 Continuous	Proposed Planimetrics/MMF Sidewalk
PRPNTC	4 Continuous	Proposed Planimetrics/MMF Top of Curb
PRPNTN	4 Continuous	Proposed Planimetrics/MMF Tank
PRPNTX	3 Continuous	Proposed Planimetrics/MMF Text
PRPNVT	2 Continuous	Proposed Planimetrics/MMF Vault
PRPNWC	3 Continuous	Proposed Planimetrics/MMF Wheel Chair Ramp
PRPNWP	3 Continuous	Proposed Planimetrics/MMF Wood Post
PRPNWW	3 Continuous	Proposed Planimetrics/MMF Wing Wall
PRPUCS	6 Continuous	Proposed Pump Station Concrete Slab or Pad
PRPUCW	3 Continuous	Proposed Pump Station Concrete Wall
PRPUDR	1 Continuous	Proposed Pump Station Pipe Drain
PRPUEC	3 Continuous	Proposed Pump Station Electrical Cable & Features (exposed)
PRPUFN	6 Continuous	Proposed Pump Station Foundation
PRPUHA	2 Continuous	Proposed Pump Station Hatching
PRPUPI	3 Continuous	Proposed Pump Station Pipe
PRPUTX	3 Continuous	Proposed Pump Station Text
PRPWFP	2 Continuous	Proposed (DCA) PipeWorks Finish Plan
PRPWHG	4 Continuous	Proposed (DCA) PipeWorks Hydraulic Gradeline
PRPWTX	3 Continuous	Proposed (DCA) PipeWorks Text
PRPWXS	2 Continuous	Proposed (DCA) PipeWorks Cross Section
PRRGCF	4 DASHED2	Proposed Rough Grade Cut/Fill Line
PRRGCM	5 Continuous	Proposed Rough Grade Contour Major
PRRGCMTX	2 Continuous	Proposed Rough Grade Contour Major Label
PRRGCN	3 Continuous	Proposed Rough Grade Contour Minor
PRRGCNTX	2 Continuous	Proposed Rough Grade Contour Minor Label
PRRGDL	4 DASHED	Proposed Rough Grade Daylight Line
PRRGLB	3 Continuous	Proposed Rough Grade Label
PRRGSV	3 Continuous	Proposed Rough Grade Spot Elevation
PRRGTB	4 DASHED2	Proposed Rough Grade Top of Bank/Slope
PRRGTE	4 DASHED	Proposed Rough Grade Toe of Bank/Slope
PRRGTX	3 Continuous	Proposed Rough Grade Text
PRS1AR	2 Continuous	Proposed Stage 1 Const. Arrow
PRS1D1	5 DASHEDX2	Proposed Stage 1 Const. Dashed Stripe Long
PRS1D2	5 DASHED	Proposed Stage 1 Const. Dashed Stripe Short
PRS1DO	5 Continuous	Proposed Stage 1 Const. Dot Marker
PRS1KR	4 Continuous	Proposed Stage 1 Const. K-rail
PRS1SN	3 Continuous	Proposed Stage 1 Const. Sign
PRS1WS	5 Continuous	Proposed Stage 1 Const. White Stripe
PRS1YS	5 Continuous	Proposed Stage 1 Const. Yellow Stripe
PRS2AR	2 Continuous	Proposed Stage 2 Const. Arrow
PRS2D1	5 DASHEDX2	Proposed Stage 2 Const. Dashed Stripe Long
PRS2D2	5 DASHED	Proposed Stage 2 Const. Dashed Stripe Short
PRS2DO	5 Continuous	Proposed Stage 2 Const. Dot Marker
PRS2KR	4 Continuous	Proposed Stage 2 Const. K-rail
PRS2SN	3 Continuous	Proposed Stage 2 Const. Sign

PRS2WS	5 Continuous	Proposed Stage 2 Const. White Stripe
PRS2YS	5 Continuous	Proposed Stage 2 Const. Yellow Stripe
PRS3AR	2 Continuous	Proposed Stage 3 Const. Arrow
PRS3D1	5 DASHEDX2	Proposed Stage 3 Const. Dashed Stripe Long
PRS3D2	5 DASHED	Proposed Stage 3 Const. Dashed Stripe Short
PRS3DO	5 Continuous	Proposed Stage 3 Const. Dot Marker
PRS3KR	4 Continuous	Proposed Stage 3 Const. K-rail
PRS3SN	3 Continuous	Proposed Stage 3 Const. Sign
PRS3WS	5 Continuous	Proposed Stage 3 Const. White Stripe
PRS3YS	5 Continuous	Proposed Stage 3 Const. Yellow Stripe
PRS4AR	2 Continuous	Proposed Stage 4 Const. Arrow
PRS4D1	5 DASHEDX2	Proposed Stage 4 Const. Dashed Stripe Long
PRS4D2	5 DASHED	Proposed Stage 4 Const. Dashed Stripe Short
PRS4DO	5 Continuous	Proposed Stage 4 Const. Dot Marker
PRS4KR	4 Continuous	Proposed Stage 4 Const. K-rail
PRS4SN	3 Continuous	Proposed Stage 4 Const. Sign
PRS4WS	5 Continuous	Proposed Stage 4 Const. White Stripe
PRS4YS	5 Continuous	Proposed Stage 4 Const. Yellow Stripe
PRSDBA	3 Continuous	Proposed Storm Drain Storm Basin
PRSDCB	3 Continuous	Proposed Storm Drain Catch Basin
PRSDCL	2 STRM_DRAIN	Proposed Storm Drain Center Line
PRSDCT	2 Continuous	Proposed Storm Drain Culvert
PRSDDD	3 Continuous	Proposed Storm Drain Down Drain
PRSDDI	3 Continuous	Proposed Storm Drain Drop Inlet
PRSDFL	2 Continuous	Proposed Storm Drain Ditch Flow Line
PRSDHW	3 Continuous	Proposed Storm Drain Headwall
PRSDIN	3 Continuous	Proposed Storm Drain Inlet
PRSDMC	3 Continuous	Proposed Storm Drain Miscellaneous
PRSDMH	4 Continuous	Proposed Storm Drain Manhole
PRSDPI	1 HIDDEN	Proposed Storm Drain Pipe
PRSDPITX	3 Continuous	Proposed Storm Drain Pipe Sizes
PRSDSR	3 Continuous	Proposed Storm Drain Structures
PRSDTX	3 Continuous	Proposed Storm Drain Text
PRSDWW	3 Continuous	Proposed Storm Drain Wing Wall
PRSID1	5 DASHEDX2	Proposed Signing/Striping Dashed Stripe Long
PRSID2	5 DASHED	Proposed Signing/Striping Dashed Stripe Short
PRSIDO	3 Continuous	Proposed Signing/Striping Dot Marker
PRSIMC	3 Continuous	Proposed Signing/Striping Miscellaneous
PRSIMK	3 Continuous	Proposed Signing/Striping Pavement Marking
PRSIPI	3 Continuous	Proposed Signing/Striping Pavement Marking
PRISISN	2 Continuous	Proposed Signing/Striping Sign
PRSIWS	5 Continuous	Proposed Signing/Striping White Stripe
PRSIW	5 Continuous	Proposed Signing/Striping Cross Walk Stripe
PRSIYS	5 Continuous	Proposed Signing/Striping Yellow Stripe
PRSRAB	3 Continuous	Proposed Structures Abutment
PRSRBD	3 Continuous	Proposed Structures Bridge Deck
PRSRBG	3 Continuous	Proposed Structures Building Line
PRSRBT	3 Continuous	Proposed Structures Bent
PRSRCL	1 CENTER	Proposed Structures Center Line

PRSRFN	3 Continuous	Proposed Structures Foundation
PRSRGI	3 Continuous	Proposed Structures Girder
PRSRHW	3 Continuous	Proposed Structures Headwall
PRSRMM	2 Continuous	Proposed Structures Misc. Metal
PRSRMS	3 Continuous	Proposed Structures MSE Wall
PRSRPE	3 Continuous	Proposed Structures Pier
PRSRPI	3 Continuous	Proposed Structures Pipe
PRSRPW	3 Continuous	Proposed Structures Pier Wall
PRSRRCB	2 Continuous	Proposed Structures Reinforced Conc Box
PRSRREa	1 HIDDEN	Proposed Structures Rebar ("a" Bar)
PRSRREb	1 HIDDEN	Proposed Structures Rebar ("b" Bar)
PRSRREc	1 HIDDEN	Proposed Structures Rebar ("c" Bar)
PRSRREe	1 HIDDEN	Proposed Structures Rebar ("e" Bar)
PRSRRL	3 Continuous	Proposed Structures Railing
PRSRRT	7 Continuous	Proposed Structures Retaining Wall
PRSSCO	3 Continuous	Proposed Sanitary Sewer Cleanout
PRSSIN	3 Continuous	Proposed Sanitary Sewer Inlet
PRSSLT	4 Continuous	Proposed Sanitary Sewer Lateral or Service
PRSSMC	3 Continuous	Proposed Sanitary Sewer Miscellaneous
PRSSMH	3 Continuous	Proposed Sanitary Sewer Manhole
PRSSPI	5 Continuous	Proposed Sanitary Sewer Pipe
PRSSPITX	2 Continuous	Proposed Sanitary Sewer Pipe Sizes
PRSSTX	3 Continuous	Proposed Sanitary Sewer Text
PRTOCM	5 Continuous	Proposed Topography/N.F. Contour Major
PRTOCMTX	2 Continuous	Proposed Topography/N.F. Contour Major Label
PRTOCN	3 Continuous	Proposed Topography/N.F. Contour Minor
PRTOCNTX	2 Continuous	Proposed Topography/N.F. Contour Minor Label
PRTOFL	2 CENTER2	Proposed Topography/N.F. Ditch Flow Line
PRTOMC	4 Continuous	Proposed Topography/N.F. Miscellaneous
PRTORK	2 Continuous	Proposed Topography/N.F. Rock Slope
PRTOSH	2 HIDDEN	Proposed Topography/N.F. Shoreline
PRTOSM	3 Continuous	Proposed Topography/N.F. Swamp or Marsh
PRTOSV	3 Continuous	Proposed Topography/N.F. Spot Elevation
PRTOTB	1 HIDDEN2	Proposed Topography/N.F. Top of Bank/Slope
PRTOTE	1 HIDDEN	Proposed Topography/N.F. Toe of Bank/Slope
PRTSBP	3 Continuous	Proposed Traffic Pedestrian Barricade
PRTSCD	4 Continuous	Proposed Traffic Conduit
PRTSCR	3 Continuous	Proposed Traffic Controller
PRTSDE	3 Continuous	Proposed Traffic Detector
PRTSFB	3 Continuous	Proposed Traffic Flushing Beacon
PRTSMC	3 Continuous	Proposed Traffic Miscellaneous
PRTSME	3 Continuous	Proposed Traffic Median
PRTSPB	3 Continuous	Proposed Traffic Pull Box
PRTSPD	3 Continuous	Proposed Traffic Pedestrian Signal
PRTSPO	2 Continuous	Proposed Traffic Pole
PRTSPX	2 Continuous	Proposed Traffic Guard Post
PRTSSG	2 Continuous	Proposed Traffic Signal
PRTSSN	2 Continuous	Proposed Traffic Sign
PRTSSX	3 Continuous	Proposed Traffic Service Cabinet

PRTSTF	3 Continuous	Proposed Traffic Transformer
PRTSTX	3 Continuous	Proposed Traffic Text
PRTSWP	3 Continuous	Proposed Traffic Wood Post
PRUTEC	2 Continuous	Proposed Utility Electrical Cable & Features (exposed)
PRUTECTX	2 Continuous	Proposed Utility Electrical Annotation/Text
PRUTEU	2 ELEC_LINE	Proposed Utility Elect.Cable/Features (Under Ground)
PRUTEUTX	2 Continuous	Proposed Utility Elect.Annotation/Text
PRUTGS	3 GAS_LINE	Proposed Utility Natural Gas Pipe & Features
PRUTGSTX	2 Continuous	Proposed Utility Natural Gas Annotation/Text
PRUTJT	3 HIDDEN	Proposed Utility Joint Trench
PRUTLP	2 Continuous	Proposed Utility Light Pole
PRUTLU	2 Continuous	Proposed Utility Land Use
PRUTMC	2 Continuous	Proposed Utility Miscellaneous
PRUTMH	2 Continuous	Proposed Utility Manhole
PRUTPO	2 Continuous	Proposed Utility Pole
PRUTSS	3 Continuous	Proposed Utility Sanitary Sewer & Features
PRUTTL	1 TELEPHONE	Proposed Utility Telephone Cable & Features
PRUTTLTX	2 Continuous	Proposed Utility Telephone Annotation/Text
PRUTTV	1 Continuous	Proposed Utility Cable TV
PRUTTX	2 Continuous	Proposed Utility Text
PRUTVT	3 Continuous	Proposed Utility Vault
PRUTWT	2 WATER_LINE	Proposed Utility Water Lines & Features
PRUTWTTX	2 Continuous	Proposed Utility Water Annotation/Text
PRWTAV	3 Continuous	Proposed Water Air Release Valve
PRWTBO	2 Continuous	Proposed Water Blow-off
PRWTFH	3 Continuous	Proposed Water Fire Hydrants & Pipes
PRWTLT	3 Continuous	Proposed Water Lateral or Service
PRWTMH	2 Continuous	Proposed Water Manhole
PRWTMT	3 Continuous	Proposed Water Meter
PRWTPI	4 DASHEDX2	Proposed Water Pipe
PRWTRI	3 Continuous	Proposed Water Riser
PRWTTX	3 Continuous	Proposed Water Text
PRWTVA	3 Continuous	Proposed Water Valve
PRZNAPTX	2 Continuous	Proposed Zoning Assessor Parcel Number
PRZNGO	3 Continuous	Proposed Zoning Golf Course
PRZNID	3 Continuous	Proposed Zoning Industrial
PRZNLU	2 Continuous	Proposed Zoning Land Use
PRZNMU	4 Continuous	Proposed Zoning Conditional Use Permit/Major Use Permit
PRZNPK	3 Continuous	Proposed Zoning Park
PRZNPU	3 Continuous	Proposed Zoning Public
PRZNRD	3 Continuous	Proposed Zoning Roadway
PRZNRS	3 Continuous	Proposed Zoning Residential
PRZNSC	3 DIVIDE	Proposed Zoning School
SYLSBH	11 Continuous	Survey Landscaping Bush or Shrub
SYLSIR	13 Continuous	Survey Landscaping Irrigation Line & Features
SYLSIRTX	12 Continuous	Survey Landscaping Irrigation Annotation/Text
SYLSMC	11 Continuous	Survey Landscaping Miscellaneous
SYLSTR	11 Continuous	Survey Landscaping Tree
SYLSVN	11 Continuous	Survey Landscaping Vine

SYMABM	2 Continuous	Survey Mapping/Control Bench Mark
SYMABN	7 Continuous	Survey Mapping/Control Boundary
SYMABS	11 HIDDEN	Survey Mapping/Control Building Setback
SYMACI	11 BORDER	Survey Mapping/Control City Limit Line
SYMACY	15 Continuous	Survey Mapping/Control County Line
SYMAEM	11 DASHED	Survey Mapping/Control Easement
SYMAEQ	11 Continuous	Survey Mapping/Control Station Equation
SYMAGD	11 Continuous	Survey Mapping/Control Grid
SYMAMC	11 Continuous	Survey Mapping/Control Miscellaneous
SYMAML	11 PHANTOM2	Survey Mapping/Control Monument Line
SYMAMO	11 Continuous	Survey Mapping/Control Monument
SYMAPC	11 Continuous	Survey Mapping/Control Photo Control Point
SYMAPL	11 Continuous	Survey Mapping/Control Property Line
SYMARW	3 Continuous	Survey Mapping/Control Right of Way
SYMASA	11 Continuous	Survey Mapping/Control Station
SYMASK	11 PHANTOM2	Survey Mapping/Control Section Line
SYMAST	11 BORDERX2	Survey Mapping/Control State Line
SYMATA	2 Continuous	Survey Mapping/Control Traverse Ctrl Pnts
SYMATX	11 Continuous	Survey Mapping/Control Text
SYMATX01	1 Continuous	Survey Mapping/Control Text Pen 1
SYMATX02	2 Continuous	Survey Mapping/Control Text Pen 2
SYMATX03	3 Continuous	Survey Mapping/Control Text Pen 3
SYMATX04	4 Continuous	Survey Mapping/Control Text Pen 4
SYMATX05	5 Continuous	Survey Mapping/Control Text Pen 5
SYMATX06	6 Continuous	Survey Mapping/Control Text Pen 6
SYMATX07	7 Continuous	Survey Mapping/Control Text Pen 7
SYMATX08	8 Continuous	Survey Mapping/Control Text Pen 8
SYMGMC	12 Continuous	Survey Methane Gas Miscellaneous
SYMGPI	12 Continuous	Survey Methane Gas Pipe
SYMGPR	12 Continuous	Survey Methane Gas Probe
SYMGTX	12 Continuous	Survey Methane Gas Text
SYMGWE	13 Continuous	Survey Methane Gas Production Well
SYMGWM	14 Continuous	Survey Methane Gas Monitor Well
SYMGWX	12 Continuous	Survey Methane Gas Non-Producing well
SYPNAB	11 Continuous	Survey Planimetrics/MMF Abutment
SYPNAC	11 Continuous	Survey Planimetrics/MMF Asphalt Concrete
SYPNBB	11 HIDDEN	Survey Planimetrics/MMF Three Beam Barrier
SYPNBC	11 Continuous	Survey Planimetrics/MMF Back of Curb
SYPNBD	12 Continuous	Survey Planimetrics/MMF Bridge Deck
SYPNBG	13 Continuous	Survey Planimetrics/MMF Building Line
SYPNBR	12 Continuous	Survey Planimetrics/MMF Barricade
SYPNBW	12 Continuous	Survey Planimetrics/MMF Back of Walk
SYPNCA	12 Continuous	Survey Planimetrics/MMF Crown
SYPNCL	11 Continuous	Survey Planimetrics/MMF Center Line
SYPNCS	12 Continuous	Survey Planimetrics/MMF Concrete Slab or Pad
SYPNCW	13 Continuous	Survey Planimetrics/MMF Concrete Wall
SYPNDT	12 Continuous	Survey Planimetrics/MMF Top of Dike
SYPNDY	12 Continuous	Survey Planimetrics/MMF Driveway
SYPNEP	12 Continuous	Survey Planimetrics/MMF Edge of Pavement

SYPNES	12 Continuous	Survey Planimetrics/MMF Edge of Shoulder
SYPNET	11 Continuous	Survey Planimetrics/MMF Edge of Traveled Way
SYPNFC	12 Continuous	Survey Planimetrics/MMF Fence
SYPNFCCL	12 Continuous	Survey Planimetrics/MMF Chain Link Fence
SYPNFL	11 Continuous	Survey Planimetrics/MMF Ditch Flow Line
SYPNGR	12 Continuous	Survey Planimetrics/MMF Gutter Centerline
SYPNKR	12 Continuous	Survey Planimetrics/MMF K-rail
SYPNLG	11 Continuous	Survey Planimetrics/MMF Lip of Gutter
SYPNMB	12 Continuous	Survey Planimetrics/MMF Metal Beam Guard Rail
SYPNMC	12 Continuous	Survey Planimetrics/MMF Miscellaneous
SYPNME	13 Continuous	Survey Planimetrics/MMF Median
SYPNMX	13 Continuous	Survey Planimetrics/MMF Mailbox
SYPNPE	13 Continuous	Survey Planimetrics/MMF Pier
SYPNRF	12 Continuous	Survey Planimetrics/MMF Roof Lines
SYPNRL	11 Continuous	Survey Planimetrics/MMF Railing
SYPNRR	12 Continuous	Survey Planimetrics/MMF Railroad
SYPNRT	12 Continuous	Survey Planimetrics/MMF Retaining Wall
SYPNRV	13 Continuous	Survey Planimetrics/MMF River or Creek Edge
SYPNSW	11 Continuous	Survey Planimetrics/MMF Sidewalk
SYPNTC	13 Continuous	Survey Planimetrics/MMF Top of Curb
SYPNTX	11 Continuous	Survey Planimetrics/MMF Text
SYSDCB	12 Continuous	Survey Storm Drain Catch Basin
SYSDCO	12 Continuous	Survey Storm Drain Cleanout
SYSDDD	12 Continuous	Survey Storm Drain Down Drain
SYSDDI	12 Continuous	Survey Storm Drain Drop Inlet
SYSDFL	11 Continuous	Survey Storm Drain Ditch Flow Line
SYSDHW	12 Continuous	Survey Storm Drain Headwall
SYSDIN	12 Continuous	Survey Storm Drain Inlet
SYSDMC	12 Continuous	Survey Storm Drain Miscellaneous
SYSDMH	12 Continuous	Survey Storm Drain Manhole
SYSDPI	14 Continuous	Survey Storm Drain Pipe
SYSDPITX	12 Continuous	Survey Storm Drain Pipe Sizes
SYSDSR	12 Continuous	Survey Storm Drain Structures
SYSDTX	11 Continuous	Survey Storm Drain Text
SYSDWW	13 Continuous	Survey Storm Drain Wing Wall
SYSIAR	12 Continuous	Survey Signing/Striping Arrow
SYSIMC	12 Continuous	Survey Signing/Striping Miscellaneous
SYSIMK	12 Continuous	Survey Signing/Striping Pavement Marking
SYSIPM	12 Continuous	Survey Signing/Striping Pavement Marking
SYSISN	12 Continuous	Survey Signing/Striping Sign
SYSIWS	12 Continuous	Survey Signing/Striping White Stripe
SYSIXW	12 Continuous	Survey Signing/Striping Cross Walk Stripe
SYSIYS	12 Continuous	Survey Signing/Striping Yellow Stripe
SYSRAB	12 HIDDEN	Survey Structures Abutment
SYSRBD	12 Continuous	Survey Structures Bridge Deck
SYSRBG	11 Continuous	Survey Structures Building Line
SYSRBT	12 Continuous	Survey Structures Bent
SYSRCW	12 Continuous	Survey Structures Concrete Wall
SYSRFN	12 HIDDEN	Survey Structures Foundation

SYSRGI	12 Continuous	Survey Structures Girder
SYSRMS	12 Continuous	Survey Structures MSE Wall
SYSRPE	12 Continuous	Survey Structures Pier
SYSRRT	12 Continuous	Survey Structures Retaining Wall
SYSRSB	12 Continuous	Survey Structures Sound Barrier Wall
SYSRTN	12 Continuous	Survey Structures Tank
SYSSCO	12 Continuous	Survey Sanitary Sewer Cleanout
SYSSIN	12 Continuous	Survey Sanitary Sewer Inlet
SYSSMC	12 Continuous	Survey Sanitary Sewer Miscellaneous
SYSSMH	12 Continuous	Survey Sanitary Sewer Manhole
SYTOFL	12 CENTER2	Survey Topography/N.F. Ditch Flow Line
SYTOGB	12 Continuous	Survey Topography/N.F. Grade Break
SYTOMC	12 Continuous	Survey Topography/N.F. Miscellaneous
SYTORK	12 Continuous	Survey Topography/N.F. Rock Slope
SYTOSV	12 Continuous	Survey Topography/N.F. Spot Elevation
SYTOTB	11 Continuous	Survey Topography/N.F. Top of Bank/Slope
SYTOTE	12 Continuous	Survey Topography/N.F. Toe of Bank/Slope
SYTSCR	3 Continuous	Survey Traffic Controller
SYTSDE	3 Continuous	Survey Traffic Detector
SYTSMC	3 Continuous	Survey Traffic Miscellaneous
SYTSSG	3 Continuous	Survey Traffic Signal
SYTSSN	3 Continuous	Survey Traffic Sign
SYTSSX	3 Continuous	Survey Traffic Service Cabinet
SYUTEC	12 Continuous	Survey Utility Electrical Cable & Features (exposed)
SYUTECTX	13 Continuous	Survey Utility Electrical Annotation/Text
SYUTEU	12 Continuous	Survey Utility Elect.Cable/Features (Under Ground)
SYUTEUTX	13 Continuous	Survey Utility Elect.Annotation/Text
SYUTGS	12 Continuous	Survey Utility Natural Gas Pipe & Features
SYUTGSTX	12 Continuous	Survey Utility Natural Gas Annotation/Text
SYUTJT	13 HIDDEN	Survey Utility Joint Trench
SYUTLP	12 Continuous	Survey Utility Light Pole
SYUTLU	12 Continuous	Survey Utility Land Use
SYUTMC	12 Continuous	Survey Utility Miscellaneous
SYUTMH	12 Continuous	Survey Utility Manhole
SYUTPO	12 Continuous	Survey Utility Pole
SYUTTL	11 Continuous	Survey Utility Telephone Cable & Features
SYUTTLTX	12 Continuous	Survey Utility Telephone Annotation/Text
SYUTTV	11 Continuous	Survey Utility Cable TV
SYUTTX	11 Continuous	Survey Utility Text
SYUTVT	12 Continuous	Survey Utility Vault
SYUTWT	12 Continuous	Survey Utility Water Lines & Features
SYUTWTTX	12 Continuous	Survey Utility Water Annotation/Text
SYWTAV	12 Continuous	Survey Water Air Release Valve
SYWTBO	12 Continuous	Survey Water Blow-off
SYWTFH	12 Continuous	Survey Water Fire Hydrants & Pipes
SYWTLT	12 HIDDEN2	Survey Water Lateral or Service
SYWTMH	1 Continuous	Survey Water Manhole
SYWTMT	12 Continuous	Survey Water Meter
SYWTPI	14 DASHEDX2	Survey Water Pipe

SYWTRI	12 Continuous	Survey Water Riser
SYWTTX	11 Continuous	Survey Water Text
SYWTVA	12 Continuous	Survey Water Valve

Additional Line Types

DPW (Requires DPW Shape File)

*_WATER_LINE,DPW Use For Laterals

A,.25,-.05,["W",STANDARD,s=.075,x=-.04,y=-.0375],-.05

*_WATER_LINE-Long,DPW Use For Mains

A,1,-.1,["W",STANDARD,s=.075,x=-.04,y=-.0375],-.1

*_SEWER_LINE-Long,DPW Use For Mains

A,1,-.1,["S",STANDARD,s=.075,x=-.04,y=-.0375],-.1

*_SEWER_LINE,DPW Use For Laterals

A,.25,-.05,["S",STANDARD,s=.075,x=-.04,y=-.0375],-.05

*_GAS_LINE,DPW Use for Laterals

A,.25,-.05,["G",STANDARD,s=.075,x=-.04,y=-.0375],-.05

*_GAS_LINE-Long,DPW Use For Mains

A,1,-.1,["G",STANDARD,s=.075,x=-.04,y=-.0375],-.1

*_TELEPHONE-Long,DPW Use For Mains

A,1,-.1,["T",STANDARD,s=.075,x=-.04,y=-.0375],-.1

*_TELEPHONE,DPW Use For Short Drops

A,.25,-.05,["T",STANDARD,s=.075,x=-.04,y=-.0375],-.05

*RETAIN,_DPW- Retaining Wall ----V----V----V----

A,.5,[RT,DPW.shx,s=.006],-.045

*CHAINLINK,_DPW- Chainlink ----X----X----X----X----

A,1,[CHAIN,DPW.shx,s=.025],-.008083

*STRM_DRAIN,_DPW- Storm Drain ----SD----SD----SD----

A,1,-.125,["SD",STANDARD,s=.075,x=-.07,y=-.0375],-.125

*ELEC_LINE,_DPW- Electric

A,1,-.125,["E",STANDARD,s=.075,x=-.07,y=-.0375],-.125

*FIBER_ROLE,_DPW- Fiber Role ----FR----FR----FR----

A,1,-.125,["FR",STANDARD,s=.075,x=-.07,y=-.0375],-.125

Standard Style and Fonts


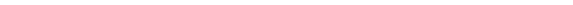






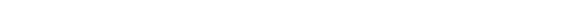

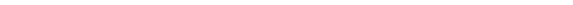
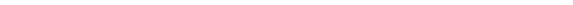

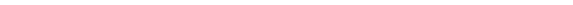
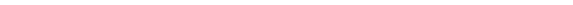
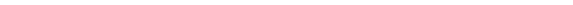
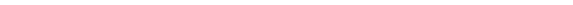

Design

	<u>Style</u>	<u>Font</u>	<u>Plot HT”</u>	<u>Layer</u>
Subtitles	L140	Arial	0.2000	----tx04
Headings/Major Labels	L140	Arial	0.1400	----tx02
General Notes	L100	Arial	0.1000	----tx03
Labels	L100	Arial	0.1400	----tx04
Stationing	L100	Arial	0.1000	prmasa
Street Names	L140	Arial Black	0.2000	prpntx
Profile Sta. Elevations	L100	Arial	0.1000	----tx03
Cross Sections Offsets/Elev.	L100	Arial	0.1000	----tx03

Survey

Heading/Major Labels	H240	helmed	0.2400	prmatx
General Notes	C090	chisel	0.0900	prmatx
References/Parcel Number	G240	ghost	0.2400	prmatx
Italic Notes	R090	romans	0.0900	prmatx
Tabular Data	M090	monotxt	0.0900	prmatx
Street Names	H150	helite	0.1500	prmatx

Standard Plotter Pen Settings

Color 1 / Pen 1 / 0.0070"	
Color 2 / Pen 2 / 0.0100"	
Color 3 / Pen 3 / 0.0140"	
Color 4 / Pen 4 / 0.0200"	
Color 5 / Pen 5 / 0.0260"	
Color 6 / Pen 6 / 0.0310"	
Color 7 / Pen 7 / 0.0354"	
Color 8 / Pen 8 / 0.0070" / Screen 50%	
Color 9 / Pen 9 / 0.0100" / Screen 50%	
Color 10 / Pen 10 / 0.060"	
Color 11 / Pen 11 / 0.00700" / Screen 50%	
Color 12 / Pen 12 / 0.00700" / Screen 30%	
Color 13 / Pen 13 / 0.00700" / Screen 30%	
Color 14 / Pen 14 / 0.00700" / Screen 30%	
Color 15 / Pen 15 / 0.0100" / Screen 10%	
Color 16 / Pen 16 / 0.0100" / Screen 10%	
Color 17>29 / Pen * / 0.0100" / Screen 30%	
Color 30>31 / Pen * / 0.0100" / Screen 5%	
Color 32> / Pen * / 0.0100" / Screen 30%	